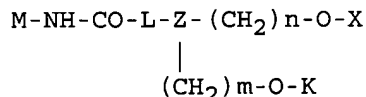


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What is claimed is:

1. (currently amended) A labelling reagent having the structure



in which

[[-]]M is a detectable label,

[[-]]L represents a linker having the structure $\text{-(CH}_2\text{)}_p\text{-}$ or the structure $\text{-(CH}_2\text{)}_p\text{-CO-NH-}$,

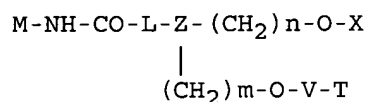
[[-]]Z is ~~either~~ CH or N,

[[-]]X is a cleavable protective group,

[[-]]n, m and p are, independently of one another, natural numbers from 1-15, and

[[-]]O-K is ~~either a phosphoramidite, or K = V-T, such that T is a solid phase support material and V is a linking group containing a cleavable bond.~~

2. (currently amended) A labelled reactive support having the structure



in which

[[-]]M is a detectable label,

[[-]]L represents a linker having the structure $\text{-(CH}_2\text{)}_p\text{-}$ or the structure $\text{-(CH}_2\text{)}_p\text{-CO-NH-}$,

[[-]]Z is ~~either~~ CH or N,

[[-]]X is a cleavable protective group,

[[-]]n, m and p are, independently of one another, natural numbers from 1-15,

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[[-]]T is a solid phase support material, and

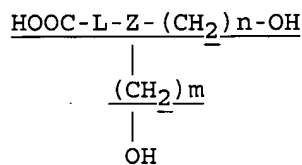
[[-]]V is a linking group which contains a cleavable bond.

3. (canceled)
4. (original) A support as claimed in claim 2, wherein the support material consists of glass particles having a defined pore size.
5. (currently amended) A support as claimed in claim 2, wherein the detectable label M is a fluorescent dye, ~~preferably fluorescein~~.
6. (canceled)
7. (currently amended) A process for the production of a labelled reactive support ~~as claimed in claims 2-5~~, comprising ~~the following steps~~:
 - a) ~~preparing~~ providing a trifunctional spacer containing two reactive hydroxyl groups and one reactive amino group,
 - b) introducing a protective group on ~~a~~ one of the hydroxyl groups,
 - c) providing a molecule having the structure M-NH-CO-(CH₂)_p-COOH in which p represents a natural number between 1 and 15 and M is a detectable label and converting the carboxylic acid group of a the molecule as ~~claimed in claim 6~~ into an activated ester,
 - d) coupling the activated ester to the reactive amino group of the trifunctional spacer, and
 - e) coupling the hydroxyl group of the trifunctional spacer which is still free to the support material, thereby forming the labelled reactive support.
8. (canceled)

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9. (currently amended) A process for the production of a labelled reactive support as claimed in claims 2-5, comprising the following steps:

- f) ~~preparing~~ providing a trifunctional spacer ~~using the method of claim 8~~ having the structure



in which

Z is either CH or N,

L is a linker having the structure -(CH₂)_p- or the structure -(CH₂)_p-CO-NH-, and

m, n and p are, independently of one another, a natural number between 1 and 15,

- g) ~~introducing the~~ a protective group on a one of the hydroxyl groups,
- h) ~~converting the carboxylic acid group of the trifunctional spacer into an activated ester,~~
- i) ~~coupling a detectable molecule containing a free amino group by reacting the active ester with the amino group, and~~
- j) ~~coupling the second of the hydroxyl groups that is still free to the support material, thereby forming the labelled reactive support.~~
10. (canceled)
11. (canceled)
12. (canceled)
13. (canceled)
14. (currently amended) ~~A~~ The ~~labelling reagent as claimed in claim 13~~ claim 1, wherein the detectable label M is a fluorescent dye, ~~preferably fluorescein.~~
15. (canceled)

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16. (canceled)

17. (canceled)